

Derwent Abstract CN 1125351

TITLE: Making samarium-ferro-nitrogen permanent magnet

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PATENT-FAMILY:

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ABSTRACTED-PUB-NO: CN 1125351A

BASIC-ABSTRACT:

The prepn. method of samarium-iron-nitrogen permanent magnet is implemented through five procedures of blending, granulation, finely pulverizing, heat treatment and sintering permanent magnet. Said invention uses a three-dimensional space high-energy impact pulverizing machine to obtain the non-crystal powders of iron, samarium and solid nitrogen and their graininess is 0.3-10 micrometers. The obtained powders are placed in the protective gas nitrogen, and passed through the process of vacuum heat treatment, so that the samarium-iron-nitrogen permanent magnet with stable magnetism can be made up.

TITLE-TERMS: SAMARIUM FERRO NITROGEN PERMANENT MAGNET

DERWENT-CLASS: L03 M27 P53 V02

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